PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: JON L. ROBERTS	PCT		
ROBETS , ABOKHAIR & MARDULA, LLC 11800 SUNRISE VALLEY DRIVE SUITE 1000 RESTON, VA 20191 RESTON, VA 20191 RESTON, VA 20191 NOTIFICATION OF TRANSMITT THE INTERNATIONAL SEARCH I OR THE DECLARATION			
	(PCT Rule 44.1)		
	Date of Mailing (day/month/year) 23 OCT 2003		
Applicant's or agent's file reference 2870-001CIP FOR FURTHER ACTION See paragraphs 1 and 4 below			
International application No. PCT/US03/21190 International filing date (day/month/year) 07 July 2003 (07.07.2003)			
Applicant I2TELECOM INTERNATIONAL, INC.			
- ·	rch report has been established and is transmitted herewith.		
Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the cla			
When? The time limit for filing such amendments is international search report.	s normally two months from the date of transmittal of the		
Where? Directly to the International Bureau of WIPO, 34, chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35			
For more detailed instructions, see the notes on the accompanying sheet.			
2. The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.			
3. With regard to the protest against payment of (an) addit	tional fee(s) under Rule 40.2, the applicant is notified that:		
the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.			
no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.			
4. Reminders Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90 bis.1 and 90 bis.3, respectively, before the completion of the technical preparations for international publication.			
Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise the applicant must, within 20 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.			
In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.			
See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide, Volume II, National Chapters and the WIPO Internet site.			
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Bacsimile No. (703) 305-3230 Authorized officer Seema Rao Telephone No. 703-305-4750			

Alexandria, Virginia 22313-1450 Pacsimile No. (703)305-3230 Form PCT/ISA/220 (April 2002)

(See notes on accompanying sheet)

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's 2870-001Cl	ant's or agent's file reference O1CIP FOR FURTHER ACTION see Notification of Transmittal of International Sear (Form PCT/ISA/220) as well as, where applicable, below.					
International PCT/US03/	al application No. 21190					
Applicant 12TELECOM INTERNATIONAL, INC.						
applicant a	ecording to Article 18. A co	ppy is being transmitted to the Int		Authority and is transmitted to the Bureau.		
		of a total of 5 sheets. d by a copy of each prior art docu	ument cite	d in this report.		
a.		the international search was carrie , unless otherwise indicated under		e basis of the international application in the		
	Authority (Rule 23.1(b)).	e and/or amino acid sequence disc		e international application furnished to this ne international application, the international		
	contained in the international application in written form.					
	filed together with the international application in computer readable form.					
	furnished subsequently to the	nis Authority in written form.				
	furnished subsequently to the	is Authority in computer readable	form.			
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.						
2.	Certain claims were found unsearchable (See Box I).					
3. Unity of invention is lacking (See Box II).						
4. With r	regard to the title,					
	the text is approved as submitted by the applicant.					
	the text has been established	by this Authority to read as follow	ws:			
5. With r	regard to the abstract,					
	the text is approved as subn	nitted by the applicant.				
\boxtimes				y as it appears in Box III. The applicant ch report, submit comments to this		
6. The fi	gure of the drawings to be pu	blished with the abstract is Figure	No. <u>1</u>			
\boxtimes	as suggested by the applicar	nt.		None of the figures		
	because the applicant failed	to suggest a figure.				
	because this figure better ch	aracterizes the invention.				

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21190

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet	Box III	TEXT OF THE	ABSTRACT	(Continuation of Ite	m 5 of the first sheet
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The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)). A system and method for implementing large and/or multiple telecommunication protocols utilizing memory-limited processors. Telecommunication protocols are expressed as virtual machine instructions defining a finite state machine. A telecommunication protocol engine (100) implements the telecommunication protocols using a virtual machine (125) operating under the control of a CPU (120). A telephony gateway (600) comprising a telecommunication protocol engine (610, 650, 640) interfaces with a communication device and a packet switched network. A network of telephony gateways (720, 730) communicating with a provider gateway (703, 705) facilitates communication over a packet switcher network. A call placed by a calling telephony gateway to receiving device on the same network or another network is routed according to a prefix in a telephone code sent by the calling telephony gateway.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT	101/0303/21190
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Continuation of B. FIELDS SEARCHED Item 3:	
EAST search terms: telecommunication protocol engine, microprocessor flash memory, virtual machine, template state data, SIP H.323, STUN, DHCP, I/O port, serial, #, dialing code, selected telecommunication protocol, sharing signal, billing.	CPU random access memory RAM, firmware, parallel data bus, service provider gateway, 777, *,

Form PCT/ISA/210 (second sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/21190

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04L 12/28, 12/56, 12/66; H04J 3/16, 3/22				
US CL : 370/254, 352, 401, 402, 421, 465, 466, 467, 469; 709/218, 220, 221, 225, 230, 237, 249, 250, 253				
	o International Patent Classification (IPC) or to both	national classification and IPC		
B. FIEI	DS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) U.S.: 370/254, 352, 401, 402, 421, 465, 466, 467, 469; 709/218, 220, 221, 225, 230, 237, 249, 250, 253				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet				
	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
Y	US 6,118,768 A (BHATIA et al) 12 September 206 line 28, col. 14 lines 25-58, col. 27 line 66 to col. lines 12-24.		1-36, 43	
Y	US 6,256,778 B1 (OLIVER) 03 July 2001 (03.07.2	(OLIVER) 03 July 2001 (03.07.2001), col. 3 lines 45-58.		
X	US 5,402,481 A (WALDMAN) 28 March 1995 (28 line 18, col. 24 lines 18-34, col. 18 lines 9-17.	37-41		
X	US 2002/0052965 A1 (DOWLING) 02 May 2002 (0094.	42		
A,P US 2002/0191621 A1 (JHA) 19 December 2002, see entire document.			1-43	
Further	documents are listed in the continuation of Box C.	See patent family annex.		
	pecial categories of cited documents;	"T" later document published after the inte	emational filing date or	
"A" documen	tefining the general state of the art which is not considered to	priority date and not in conflict with the understand the principle or theory understand the principle or the principle or the principle of	the application but cited to	
"E" earlier ap	plication or patent published on or after the international filing	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		
	which may throw doubts on priority claim(s) or which is cited sh the publication date of another citation or other special reason led)			
"O" document	referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent		
priority (document published prior to the international filing date but later than the			
Date of the actual completion of the international search 24 September 2003 (24.09.2003) Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Exercised No. 703-305-4750 Date of mailing of the international search report 23 OCT 2003 Authorized officer Seema Rao Telephone No. 703-305-4750			Ch report	
24 September 2003 (24.09.2003)				
	ailing address of the ISA/US	Authorized officer	LORAM	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents Seema Rao			o your	
Commissioner for Patents P.O. Box 1450				
	Kandria, Virginia 22313-1450	Telephone No. 703-305-4750	<i>" </i>	
Facsimile No	. (703)305-3230	•		

Form PCT/ISA/210 (second sheet) (July 1998)

CT/US03/21190

INTERNATIONAL SEARCH REPORT

	uation) DOCUMENTS CONSIDERED TO BE RELEVANT		T
Category *	Citation of document, with indication, where appropriate, of the relevant pa		Relevant to claim No.
A	US 5,987,103 A (MARTINO) 16 November 1999 (16.11.1999), see entire	document.	1-43
		u.	